

Application Serial No. 10/660,174
Amendment dated July 7, 2005
Reply to Office Action of April 7, 2005

CS22163US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (cancelled)

2 (currently amended): A communication device ~~as recited in claim 1~~ comprising:

a housing comprising:

at least one metallic portion, and

at least one non-metallic portion; and

an antenna system for tuning the communication device to radiate at one or more frequencies, wherein the antenna system is located within the non-metallic portion of the housing, wherein the antenna system comprises:

a first resonator, and

one or more antenna elements;

wherein the antenna system is electromagnetically coupled to the at least one metallic portion, and further wherein the at least one metallic portion is a second resonator for the antenna system.

3 (original): A communication device as recited in claim 2 wherein the antenna system comprises a plurality of antennas, wherein each of the plurality of antennas provides operation on at least one frequency band.

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4 (original): A communication device as recited in claim 2 wherein the antenna system comprises a plurality of antennas, wherein each of the plurality of antennas provides operation using at least one communication protocol.

5 (original): A communication device as recited in claim 2 wherein the antenna system comprises a plurality of antennas, and further wherein the plurality of antennas is contained within a dielectric over-mold.

6 (original): A communication device as recited in claim 5 wherein each of the plurality of antennas has an independent frequency output.

7 (original): A communication device as recited in claim 2 wherein the antenna system comprises a plurality of antennas, and further wherein the performance of the antenna system is controlled using one or more attributes chosen from the group of attributes consisting of distance, placement, technology, and number of elements used in the antenna system.

8 (original): A communication device as recited in claim 2 further comprising a keypad, wherein the antenna system is tilted towards the keypad.

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9 (original): A communication device comprising:

a housing comprising:

a first housing portion comprising:

at least one first housing metallic portion, and

at least one first housing non-metallic portion;

a second housing portion rotatably coupled to the first housing, the second housing comprising:

at least one second housing metallic portion, and

at least one second housing non-metallic portion; and

an antenna system for tuning the communication device to radiate at one or more frequencies, wherein the antenna system is located within the at least one first housing non-metallic portion of the housing.

10 (original): A communication device as recited in claim 9 wherein the antenna system is further located within the at least one second housing non-metallic portion.

11 (original): A communication device as recited in claim 10 wherein the antenna system comprises:

a first resonator, and

one or more antenna elements;

wherein the antenna system is electromagnetically coupled to the at least one first housing metallic portion, and further wherein the at least one first housing metallic portion is a second resonator for the antenna system.

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12 (original): A communication device as recited in claim 11 wherein the antenna system is further electromagnetically coupled to the at least one second housing metallic portion, and further wherein the at least one second housing metallic portion is a third resonator for the antenna system.

13 (original): A communication device as recited in claim 9 wherein the antenna system comprises a plurality of antennas, wherein each of the plurality of antennas provides operation on at least one frequency band.

14 (original): A communication device as recited in claim 9 wherein the antenna system comprises a plurality of antennas, wherein each of the plurality of antennas provides operation using at least one communication protocol.

15 (original): A communication device as recited in claim 9 wherein the antenna system comprises a plurality of antennas, and further wherein the plurality of antennas is contained within a dielectric over-mold.

16 (original): A communication device as recited in claim 15 wherein each of the plurality of antennas has an independent frequency output.

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17 (original): A communication device as recited in claim 9 wherein the antenna system comprises a plurality of antennas, and further wherein the performance of the antenna system is controlled using one or more attributes chosen from the group of attributes consisting of distance, placement, technology, and number of elements used in the antenna system.

18 (original): A communication device as recited in claim 9 further comprising a keypad, wherein the antenna system is tilted towards the keypad.